



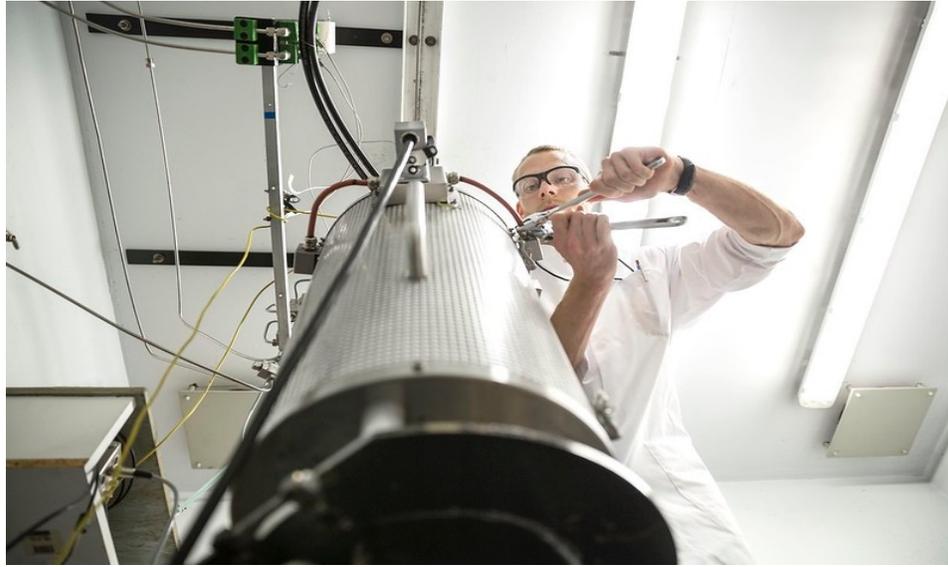
**MULTI-SCALE
LABORATORIES**

MULTI-SCALE LABORATORIES

Thematic Core Service



**MULTI-SCALE
LABORATORIES**



EPOS
EUROPEAN PLATE OBSERVING SYSTEM



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Overview

- The time and space scales of planet Earth's geological processes are wide. The study of the solid Earth requires the use of a **vast range of multi-scale methods and instruments.**
- The Multi-Scale Laboratories (MSL) Thematic Core Service (TCS) **manages and harmonizes laboratory data at all relevant scales.**



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Multi-Scale Laboratories TCS

- The **Multi-Scale Laboratories community** has access to over **90 laboratories** affiliated with **11 institutes** in **8 European countries**.
- Among them are **world-class experimental and analytical facilities**, such as electron microscopes, deformation testing machines and paleomagnetic instruments.



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Services

- MSL Catalogue
- GFZ Data Services
- Transnational access brokering service



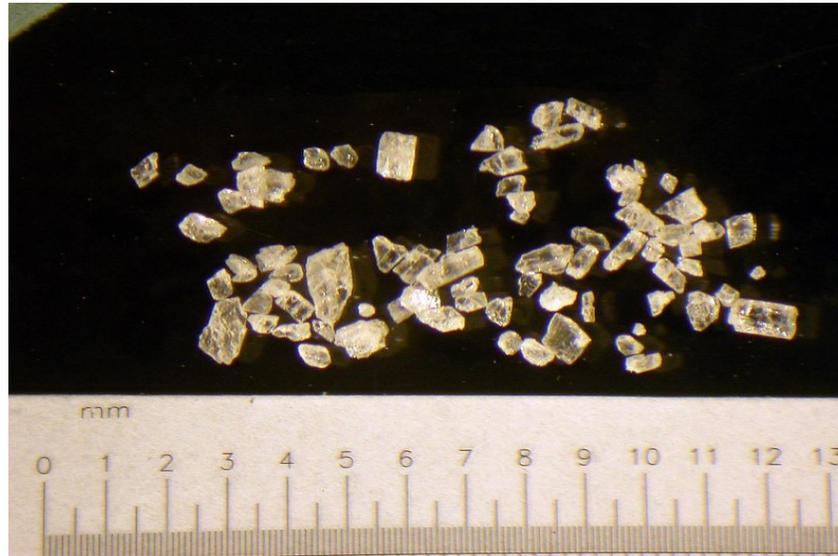
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Multi-Scale Laboratories TCS

- MSL TCS data is easily accessible in a homogenized format, referred, and thus ready to be used for new research focusing on georesources and geostorage, geohazards and Earth system evolution.
- Embedded within the EPOS framework, the MULTI-SCALE LABORATORIES give access to a vast network of solid Earth laboratories
- The solid collaboration among European researchers is crucial to **understand the multiscale, crossdisciplinary nature of our planet**, to expand knowledge, **assess geohazards and exploit geo-resources**.



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Contacts

EPOS TCS MSL mini-website

<https://www.epos-eu.org/tcs/multi-scale-laboratories>

EPOS website

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